CDCA8 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CDCA8, Polyclonal Antibody
Full Product Name	CDCA8 (Cell Division Cycle Associated 8, BOR, BOREALIN, FLJ10468, FLJ12042) (MaxLight 650)
Product Gene Name	anti-CDCA8 antibody
Product Synonym Names	Cell Division Cycle Associated 8; BOR; BOREALIN; FLJ10468; FLJ12042
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified
Specificity	Recognizes human CDCA8.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
OMIM	609977
3D Structure	ModBase 3D Structure for Q53HL2
Immunogen	CDCA8 (NP_060571.1, 1aa-280aa) full-length human protein.
Immunogen Sequence	MAPRKGSSRVAKTNSLRRRKLASFLKDFDREVEIRIKQIESDRQNLLKEVDNLYNIEILRLPKALREMNWLDYFALGGNKQALEEAATADLDITEINKLTAEA
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-CDCA8 antibody	Antibodies; Cell Division Cycle (CDC)
Applications Tested/Suitable for anti-CDCA8 antibody	Western Blot (WB)
Application Notes for anti-CDCA8 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-CDCA8 antibody	CDCA8 is a component of a chromosomal passenger complex required for stability of the bipolar mitotic spindle (Gassmann et al., 2004 [PubMed 1524

Other Notes	Small volumes of anti-CDCA8 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces
Searchable Terms for CDCA8 purchase	MBS6450692 is an antibody targeting CDCA8. Also known as CDCA8 (Cell Division Cycle Associated 8, BOR, BOREALIN, FLJ10468, FLJ12042) (Ma

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CDCA8. It may not necessarily be applicable to this product.

NCBI GI #	8922438
NCBI GeneID	55143
NCBI Accession #	NP_060571.1
UniProt Primary Accession #	Q53HL2
UniProt Related Accession #	Q53HL2
GenBank Nucleotide #	NM_018101.3
NCBI Official Full Name	borealin
NCBI Official Synonym Full Names	cell division cycle associated 8
NCBI Official Symbol	CDCA8
NCBI Official Synonym Symbols	BOR; DasraB; MESRGP; BOREALIN
UniProt Protein Name	Borealin
UniProt Synonym Protein Names	Cell division cycle-associated protein 8; Dasra-B; hDasra-B; Pluripotent embryonic stem cell-related gene 3 protein
UniProt Gene Name	CDCA8
UniProt Synonym Gene Names	PESCRG3; hDasra-B
UniProt Entry Name	BOREA_HUMAN
NCBI Protein Information	borealin
NCBI Summary for CDCA8	This gene encodes a component of the chromosomal passenger complex. This complex is an essential regulator of mitosis and cell division. This protein is cell-cycle regulated and is required for chromatin-induced microtubule stabilization and spindle formation. Alternate splicing results in multiple transcript variants. Pseudgenes of this gene are found on chromosomes 7, 8 and 16. [provided by RefSeq, Apr 2013]
UniProt Comments for CDCA8	Borealin: Component of the chromosomal passenger complex (CPC), a complex that acts as a key regulator of mitosis. The CPC complex has essential functions at the centromere in ensuring correct chromosome alignment and segregation and is required for chromatin-induced microtubule stabilization and spindle assembly. In the complex, it may be required to direct the CPC to centromeric DNA. Major effector of the TTK kinase in the control of attachment-error-correction and chromosome alignment. Belongs to the borealin family. Protein type: Cell cycle regulation; Nucleolus Chromosomal Location of Human Ortholog: 1p34.3 Cellular Component: intercellular bridge; protein complex; nucleolus; spindle; midbody; nucleus; cytosol; chromosome, pericentric region; chromocenter Molecular Function: protein binding Biological Process: cell division; mitotic cell cycle; mitotic metaphase plate congression; chromosome organization and biogenesis
Research Articles on CDCA8	**1.** Results indicate that higher CDCA8 expression in breast cancer cells is positively associated with poor prognosis and suggest that CDCA8 is a key mediator of estrogen-stimulated breast cancer cell growth and survival.

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